

MARIAM AZZOUZ

Telecommunications Engineer || Data scientist

@azzouzmariam3@gmail.com

+216 50768111

Tunisia

mariam-azzouz



SUMMARY

I'm a telecommunications engineer with a strong foundation in data science, recognized for quickly mastering new skills. With hands-on experience from internships and projects, I bring creative problem-solving to real-world challenges, and I am eager to contribute to innovative, growth-driven organizations.

PROFESSIONAL EXPERIENCE

Computer Vision Intern

Welyne

February 2024 - June 2024

Tunis, Tunisia

- Generated 3D human body avatars from 9 input measurements using a Conditional VAE model and a custom-prepared dataset.
- Designed and implemented an API with Flask to integrate the generative model, enabling real-time 3D image generation for users with a response time under 3 seconds.

Keywords 3D image generation, Python, PyTorch, PyTorch3D, cVAE, cGAN, Flask, HTML, Three.js

Devops Intern

Standard Sharing Software(3S)

July 2023 - August 2023

Tunis, Tunisia

- Established a Kubernetes cluster with Minikube, showcasing proficiency in container orchestration and managing deployment processes.
- Created manifest files and implemented monitoring solutions with Prometheus and Grafana, improving real-time application monitoring and reducing issue resolution time by 40%.

Keywords Docker, Minikube, Prometheus, Grafana

Computer Vision Intern

Novel-Ti

November. 2022 - APRIL. 2023

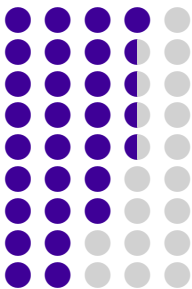
Sfax, Tunisia

- Integrated the solution into farm operations, improving health monitoring response times by 20% and ensuring 95% accuracy in live video feed analysis.

Keywords Object Detection, Roboflow, Deep learning, YOLOv5, Python

SKILLS

Python
SQL
Script
Machine Learning LibrariesTensorFlow, PyTorch..
Neural Networks
Linux
Flask
C
C++



EDUCATION

Telecommunications Engineering Degree

National Engineering School of Tunis(ENIT)

Sept 2021 - Sept 2024

Preparatory cycle in Mathematics - Physics

Elmanar Preparatory Institute for Engineering Studies

Sept 2019 - June 2021

ACADEMIC PROJECTS

Database Design / Software Engineering Project

keywords : MSSQL, PowerAMC, and ASP.NET Core MVC

Alzheimer MRI Classification

keywords : Computer Vision, PyTorch, Deep Learning, Python

Big Data project

keywords : Random Forest, PySpark, Flask, Elasticsearch, Kibana, Python

SMS Spam Detection

keywords : NLP, LSTM, Classification, Python

EEG-signal classification for the Detection of epileptic seizure

keywords : Haar, Daubechie, Symlet, PCA, SVM

STRENGTHS

Hard-working Problem-solving
Time Management Teamwork
Flexibility Creativity

LANGUAGES

Arabic
Frensh
English
Spanish

